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	Application No.	Applicant(s)	
Notice of Allowability	10/509,854	KARVINEN ET AL.	
	Examiner	Art Unit	
	Patricia L. Hailey	1755	
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) on NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RICE of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in the or other appropriate communi GHTS. This application is sub and MPEP 1308.	nis application. If not included cation will be mailed in due course. 1	iHIS nitiative
This communication is responsive to <u>Applicants' amendmen</u> —	<u>nt filed on March 9, 2006</u> .		
2. The allowed claim(s) is/are 1.4 and 6-15.			
3.			
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ⊠ Interview Sum Paper No./Ma 3), 7. ⊠ Examiner's An	mal Patent Application (PTO-152) mary (PTO-413), ail Date <u>May 30, 2006</u> . nendment/Comment atement of Reasons for Allowance	

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Applicants' remarks and amendments, filed on March 9, 2006, have been carefully considered. Claims 2, 3, and 5 have been canceled; no new claims have been added.

Claims 1, 4, and 6-15 remain pending in this application.

Withdrawn Objections and Rejections

The objection to claim 6 and the rejections of claims 1-15 stated in the previous Office Action have been withdrawn in view of Applicants' amendments.

The 103(a) rejections of: (1) claims 1-4 and 6-15 as being unpatentable over Mabbs et al. (U. S. Patent No. 3,341,291) and (2) claims 1, 5, 10, 11, and 13-15 as being unpatentable over Japanese Patent No. 10-230169, stated in the previous Office Action, have been withdrawn in view of Applicants' amendments and persuasive arguments traversing these rejections.

To overcome these rejections, Applicants' have amended the claims to incorporate the subject matter of claims 2, 3, and 5 into independent claim 1.

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

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Authorization for this examiner's amendment was given in a telephone interview with Tanya Harkins on May 30, 2006.

The application has been amended as follows:

a. In the last line of claim 10, after "5 w%", please insert the phrase –of sulphur—.

(This phrase was inadvertently deleted from the claim.)

b. Please delete the second appearance of claim 15.

(Claim 15 was inadvertently printed twice.)

Allowable Subject Matter

2. Claims 1, 4, and 6-15 are allowed.

Reasons for Allowance

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3. The following is an examiner's statement of reasons for allowance:

The prior art of record does not teach or suggest for preparing a photocatalyst containing titanium dioxide, wherein a sulphurous titanium dioxide hydrate precipitate is formed from an acid solution containing titanium oxysulphate at a temperature under the boiling point of the solution via addition of crystal nuclei, the precipitate is separated and subsequently subjected to thermal treatment to obtain a crystalline product having a sulphur content of 1 to 5 w %, wherein said precipitation is conducted without the addition of a base and in a temperature range of from 70°C to 100°C, and said precipitate is calcinated in air at a temperature ranging from 100°C to 500°C.

Mabbs et al. disclose exemplary calcinations ranging from 700°C to 1100°C (col. 3, lines 60-63), which is outside the claimed calcination range, and the Japanese Patent, while disclosing heat treatment conditions, do not explicitly disclose any calcination steps. Further, neither reference teaches or suggests any sulphur contents for the respectively disclosed titanium dioxides.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patricia L. Hailey whose telephone number is (571) 272-1369. The examiner can normally be reached on Mondays-Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jerry Lorengo, can be reached on (571) 272-1233. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group 1700 Receptionist, whose telephone number is (571) 272-1700.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Patricia L. Hailey/plh

Examiner, Art Unit 1755

May 30, 2006

SUPERVISORY PATENT EXAMINER